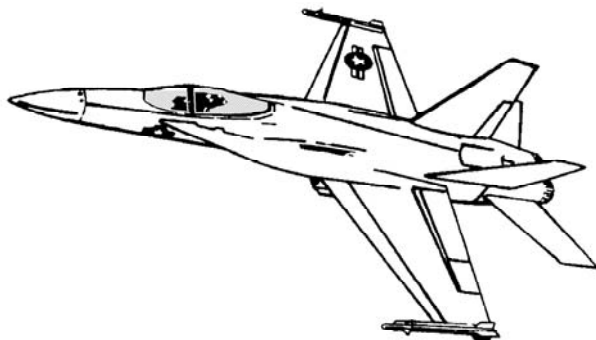

CHANGE NOTICE

A1-F18AE-LWS-680

Conventional Weapons

CHECKLIST F/A-18 ARM/DEARM



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NATEC ELECTRONIC MANUAL

CHANGES INCORPORATED

Insert latest change pages; destroy superseded pages in accordance with applicable regulations.

Dates of issue for original and change pages are:

Basic	0 (IRACs 1-5 Incorporated)	15 Mar 2002
Change	1	15 Aug 2002
Change	2	15 Dec 2002
Change	3	15 Mar 2003

Total number of pages in this checklist is 44, consisting of the following:

<u>Pg. No.</u>	<u>Chg. No.</u>	<u>Pg. No.</u>	<u>Chg. No.</u>	<u>Pg. No.</u>	<u>Chg. No.</u>
Title	3	25	3	27	3
A	3	25.1	1	28 - 31	0
i - iv	0	25.2 Blank	1	32	2
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INTRODUCTION

This checklist contains abbreviated Arm/Dearm procedures for all weapons/stores authorized for flight by the F/A-18 Tactical Manual. Weapons/stores are grouped in each section by common procedures. Weapons/stores not listed in a particular section have no procedures to be performed for that particular function.

REQUIRED READING

The term "SAFE racks" mean installation of the parent rack safety pin. The term "ARM racks" mean removal of the parent rack safety pin.

The term "Weapon (or Store) safe" means that the Arm/Dearm crewmembers shall inspect the applicable weapon or store to ensure the fuze/arming mechanism is NOT fully or partially armed, all arming wires/lanyards are properly installed, and no components are loose, missing or damaged.

REQUIRED READING (Continued)

The condition and location for the Prior to Launch arming procedures specify the earliest in the launch sequence that the procedures may be performed. The conditions and location for After Landing or Ground Abort procedures specify the latest in the recovery sequence that the safing procedures may be performed.

SAFETY SUMMARY

The following safety summary contains general safety precautions that personnel must understand and apply during arming and dearming evolutions.

WARNING

TO THE EXTENT POSSIBLE, THE AREA IMMEDIATELY FORWARD AND AFT OF FORWARD FIRING ORDNANCE SHOULD BE KEPT CLEAR OF PERSONNEL AND EQUIPMENT. DURING THE FINAL STAGES OF ARMING (ARMING AREA) AND INITIAL STAGES OF SAFING (DEARMING AREA) IT IS MANDATORY THAT THE AREA IN FRONT OF AND IMMEDIATELY BEHIND BE KEPT CLEAR.

WARNING

TO THE EXTENT POSSIBLE, CREWMEMBERS MUST AVOID WORKING BENEATH LOADED WEAPONS/STORES.

WARNING

IF AFTER FLIGHT, ANY COMPONENT IS FOUND TO BE MISSING, LOOSE OR DAMAGED NOTIFY PROPER AUTHORITY.

WARNING

BATTERY HAS BEEN ACTIVATED.

SAFETY SUMMARY (Continued)

WARNING

(ECM) IF DECOY ROUND IS PARTIALLY EJECTED, REMAIN CLEAR AND NOTIFY PROPER AUTHORITY.

WARNING

POSITIONING OF THE ARMING SUPERVISOR (SAFETY PERSON) IS MANDATORY FOR ALL ARM/DEARM EVOLUTIONS.

WARNING

AIRCREW (PILOT) MUST PLACE BOTH HANDS IN FULL VIEW AT ALL TIMES DURING STRAY VOLTAGE CHECK, ELECTRICAL CONNECTION OF ROCKET LAUNCHERS, AND DURING ARMING/DEARMING.

WARNING

PRIOR TO APPLYING POWER, ENSURE ALL COCKPIT SWITCHES AND CONTROLS ARE READY TO RECEIVE POWER.

Table 1. Aircraft Armament Switches

PANEL	SWITCH	POSITION
MC/HYD ISOL	MC	NORM
NUC WPN SWITCH	NUC WPN	DISABLE (down position)
GND PWR CONTROL	1	AUTO
	2	AUTO
	3	AUTO
	4	AUTO
	EXT PWR	OFF
LEFT VERTICAL	SELECT JETT	SAFE
	JETT (pushbutton)	off
MASTER ARM CONTROL	MASTER	SAFE
	EMERG JET (pushbutton)	yellow/brass ring not visible
ECM CONTROL (Note 1)	AUX REL	NORM
ICMDS (Note 2)	ECM	OFF
	DISPENSER	OFF
	MODE SEL	STBY
	RWR	OFF
	ALE-39 RESET	OFF
ANTENNA SELECT CONTROL PANEL (Note 3 & 4)		
EMERGENCY JETTISON	(Rear cockpit) EMERG JETT	Yellow/brass ring not visible
ITALD CONTROL	INSTM POWER	OFF
	CIRCUIT BREAKER	RESET
	PWR	OFF
AN/ALQ-167 CONTROL (If installed)		
MAP GAIN CONTROL	IR COOL	(Note 5)
COMMUNICATION	WPN VOL control	LOW
FWD/REAR COCKPIT	All other switches	OFF, SAFE, or NORMAL
<p style="text-align: center;">NOTE</p> <p>1. 161353 thru 164980</p> <p>2. 165171 and up</p> <p>3. 161353 thru 163175</p> <p>4. 163427 thru 164980</p> <p>5. Without AIM-9L/M or with AIM-9X -OFF position, and NORM position with AIM-9L/M</p>		

**PRIOR TO LAUNCH
REARMING AREA (BEFORE ENGINE TURNUP)**

A. BOMBS (RETARD/NONRETARD)

1. Remove/stow WEAPON LOADED sign()

B. GBUs

1. (If applicable) Remove detector cover(s) and, packing material(s)()
2. (If applicable) Remove wing and latch assembly safety pins ... ()
3. Remove/stow WEAPON LOADED sign()

C. CBU

1. Remove/stow WEAPON LOADED sign()

D. MK 77 FIRE BOMBS

1. Remove/stow WEAPON LOADED sign()

E. MK 50 SERIES MINES

1. Remove/stow WEAPON LOADED sign()

F. MK 62/63 MINES

1. Remove/stow WEAPON LOADED sign()

G. MK 65 MINE

1. Remove/stow WEAPON LOADED sign()

H. PYROTECHNICS

1. Remove/stow WEAPON LOADED sign()

I. PRACTICE BOMBS/LASER GUIDED TRAINING ROUNDS (LGTRs)

1. Remove/stow WEAPON LOADED sign()
2. (LGTRs) Remove detector cover(s) w/seeker packing()

J. FUEL TANKS/CNU-188

1. Remove/stow WEAPON LOADED sign()
2. (CNU-188) Secure access doors/panels()

PRIOR TO LAUNCH
REARMING AREA (BEFORE ENGINE TURNUP) (Continued)

K. ECM

1. Remove/stow WEAPON LOADED sign()
2. (161353 through 163782) Close circuit breakers:
 - a. AN/ALE-39 CONT()
 - b. AN/ALE-39 PWR()
3. (As applicable) Push ICM safety switch in, turn clockwise (ARM) and release (switch flush)()
4. (163985 and up) Push ICM electrical safety switch in, turn clockwise and release (switch flush)()

L. ROCKET LAUNCHERS

1. Remove/stow WEAPON LOADED sign()

M. AIM-7 (SPARROW)

1. Remove/stow WEAPON LOADED sign()
2. (If applicable) Secure access doors()

N. AIM-9 (SIDEWINDER)/INSTRUMENTATION PACKAGE

1. Remove/stow WEAPON LOADED sign()
2. Secure forward launcher fairing/access doors()
3. Instrumentation Package:
 - a. Remove air data probe/antenna covers()
 - b. Remove launcher detent wrench safety pin()

O. AIM-120 (AMRAAM)

1. Remove/stow WEAPON LOADED sign()
2. Secure access doors()

P. AGM-65 (MAVERICK)

1. Remove/stow WEAPON LOADED sign()

PRIOR TO LAUNCH
REARMING AREA (BEFORE ENGINE TURNUP) (Continued)

Q. AGM-84 (HARPOON/SLAM/SLAM ER)

1. Remove/stow WEAPON LOADED sign()
2. (As applicable) Remove radome/IIR dome/nose fairing,
air data probe and exit covers()

R. AGM-88 (HARM)

1. Remove/stow WEAPON LOADED sign()

S. AGM-154 (JSOW)

1. Remove/stow WEAPON LOADED sign()

T. GUN

1. Remove/stow WEAPON LOADED sign()
2. Position manual clearing handle to firing position by
pressing lock tab()
3. Ensure anti-jam pin in unlock position()
4. (If applicable) Ensure gun electrical cannon plug connected ... ()
5. Close access door #6; indicator flush()

U. DATA POD

1. Remove/stow WEAPON LOADED sign()
2. (ARQ-56) Remove Ram-air inlet cover()
3. Ensure all panels and access doors secure()

V. AN/ALQ-167

1. Remove/stow WEAPON LOADED sign()
2. Remove antenna covers()
3. Rear access door closed and latched()

PRIOR TO LAUNCH
REARMING AREA (BEFORE ENGINE TURNUP) (Continued)

W. TALD/ITALD

1. Remove/stow WEAPON LOADED sign()
2. ITALD:
 - a. Remove exhaust cover()

X. AN/ALE-43

1. Remove/stow WEAPON LOADED sign()

PRIOR TO LAUNCH
REARMING OR ARMING AREA (AFTER ENGINE TURNUP)

NOTE: ONLY THOSE WEAPONS LISTED REQUIRE PROCEDURES TO BE PERFORMED IN THE REARMING OR ARMING AREA AFTER ENGINE TURNUP.

A. PYROTECHNICS

1. (MER) Remove electrical safety pin(s)()
2. Position safety stop lever(s) to UNLOCK()

B. PRACTICE BOMBS/LASER GUIDED TRAINING ROUNDS (LGTRs)

WARNING

USE EXTREME CARE WHEN REMOVING THE SAFETY BLOCK AND MOVING IN AND AROUND THE BDU-33. STRIKING THE NOSE OF BDU-33 COULD DISCHARGE THE SIGNAL CARTRIDGE.

1. (BDU-33D/B) Remove safety block(s)()
2. (MER) Remove electrical safety pin(s)()
3. Position safety stop lever(s) to UNLOCK()

C. ECM

1. (As applicable) Push ICM safety switch in, turn clockwise (ARM) and release (switch flush)()

D. ROCKET LAUNCHERS

WARNING

ROCKET LAUNCHER STRAY VOLTAGE CHECK SHOULD BE PERFORMED IN THE ARMING AREA; HOWEVER, THIS STEP MAY BE PERFORMED IN THE REARMING AREA WHEN NECESSITATED BY OPERATIONAL REQUIREMENTS.

**PRIOR TO LAUNCH
REARMING OR ARMING AREA
(AFTER ENGINE TURNUP) (Continued)**

WARNING

IF STRAY VOLTAGE IS DETECTED, DO NOT
ELECTRICALLY CONNECT LAUNCHER. NOTIFY
PROPER AUTHORITY.

1. (If required) Perform stray voltage check on each
loaded station()

E. AIM-9 (SIDEWINDER)**CAUTION**

DO NOT REMOVE DOME PROTECTOR UNTIL
POWER IS APPLIED TO MISSILE.

1. Remove dome protector(s)()

CAUTION

(EXCEPT AIM-9X) IF GIMBAL IS NOT CAGED
(CENTERED IN DOME) MISSILE IS DOWN.

NOTE:

(LAU-7 HIPAG) AFTER ACTUATING IR COOL
SWITCH, A 30-SECOND WAIT WITH A CHARGED
HIPAG UNIT OR A 3-8 MINUTE WAIT WITH AN
UNCHARGED HIPAG UNIT MAY BE REQUIRED
PRIOR TO PERFORMING MISSILE TONE
CHECK.

2. (Except AIM-9X) Perform tone check on each missile()

WARNING

OVERTRAVEL OF THE MK 36 MOD 8/9 OR MK
57 MOD 2 MOTOR SAFE/ARM MECHANISM
BEYOND THE ARM POSITION WILL CAUSE
DAMAGE TO THE SAFE/ARM MECHANISM.

NOTE:

TO ARM THE MK 36 MOD 8/9 OR MK 57 MOD 2
MOTOR, DEPRESS "T" HANDLE AND ROTATE
90 DEGREES CCW (FIG. 1).

**PRIOR TO LAUNCH
REARMING OR ARMING AREA
(AFTER ENGINE TURNUP) (Continued)**

3. (MK 36 MOD 8/9 or MK 57 MOD 2 motor) Rotate SAFE/ARM mechanism "T" handle to ARM; remove "T" handle()

NOTE: TO ARM THE MK 36 MOD 10/11 OR MK 57 MOD 3 MOTOR, PULL OUT SELECTOR HANDLE AND ROTATE 90 DEGREES CCW (FIG. 1).

4. (MK 36 MOD 10/11 or MK 57 MOD 3 motor) Rotate SAFE/ARM selector handle to ARM; secure handle flush with weapon()

CAUTION

(AIM-9X) OVER TRAVEL OF THE ARM/FIRE DEVICE (ADF) HANDLE BEYOND THE ARMED POSITION WILL CAUSE DAMAGE TO THE AFD HANDLE AND/OR LOCKING MECHANISM (FIG. 1).

5. (AIM-9X) Rotate AFD handle to ARM()

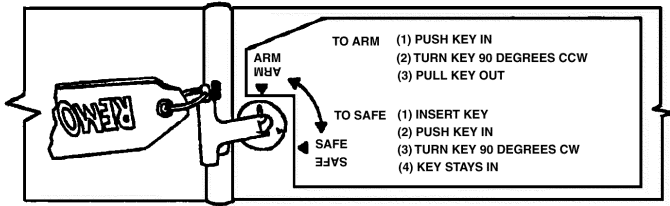
F. AGM-65 (MAVERICK)

WARNING

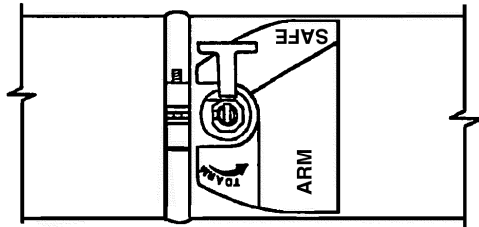
IF STRAY VOLTAGE IS DETECTED, DO NOT CONNECT MISSILE (ROCKET MOTOR) IGNITER CABLE CONNECTOR TO LAUNCHER. NOTIFY PROPER AUTHORITY.

1. Perform stray voltage check for squib positions SQB-1 and SQB-2 on each loaded station()
2. Connect missile (rocket motor) igniter cable to launcher as follows (Fig. 2):
 - a. Connect the rocket motor igniter cable connector to umbilical housing igniter connector receptacle()
 - b. Press rocket motor igniter cable into slot in bottom of umbilical housing()

**PRIOR TO LAUNCH
REARMING OR ARMING AREA
(AFTER ENGINE TURNUP) (Continued)**



MK 36 MOD 8/9, MK 57 MOD 2 MOTOR

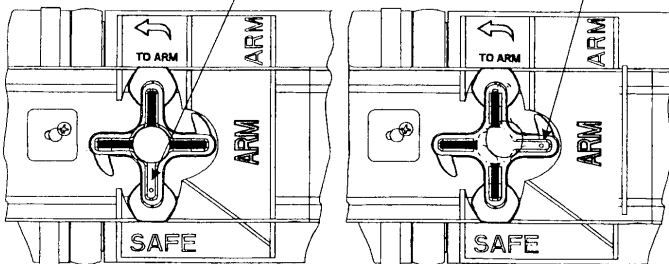


MK 36 MOD 10/11, MK 57 MOD 3 MOTOR

TO SAFE: MOVE HANDLE AWAY FROM MISSILE BODY, ROTATE HANDLE 90 DEGREES UNTIL HANDLE SNAPS/MOVES INTO SAFE POSITION

SAFE-ARM SELECTOR HANDLE IN SAFE POSITION

SAFE-ARM SELECTOR HANDLE IN ARM POSITION



PROPULSION/STEERING SECTION SAFE-ARM SELECTOR HANDLE

AIM-9X

Figure 1. AIM-9 Rocket Motor SAFE/ARM Mechanism/Selector Handle

**PRIOR TO LAUNCH
REARMING OR ARMING AREA
(AFTER ENGINE TURNUP) (Continued)**

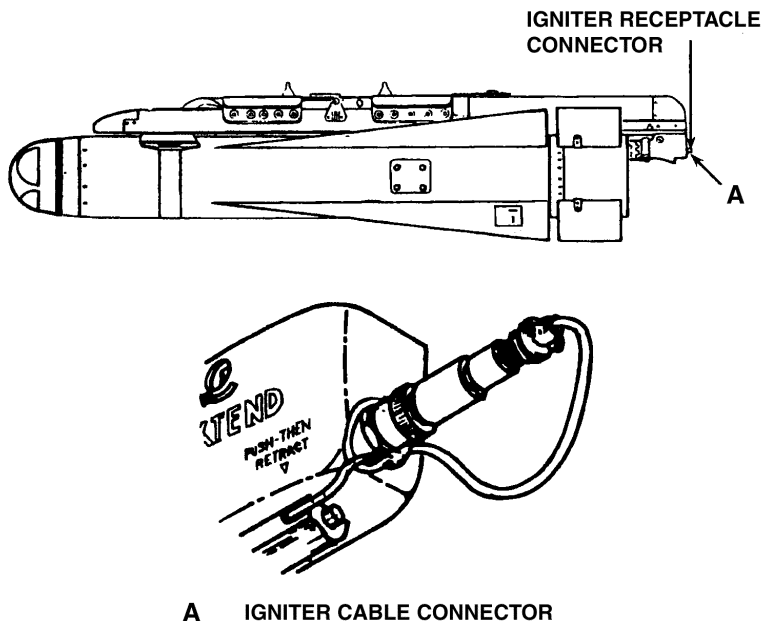


Figure 2. Rocket Motor Igniter Cable Connection

**PRIOR TO LAUNCH
REARMING OR ARMING AREA
(AFTER ENGINE TURNUP) (Continued)**

G. AGM-84 (HARPOON/SLAM/SLAM ER)**WARNING**

(AGM-84E) MARRIAGE CHECK SHOULD BE PERFORMED IN THE ARMING AREA; HOWEVER, THIS CHECK MAY BE PERFORMED IN THE REARMING AREA WHEN NECESSITATED BY OPERATIONAL REQUIREMENTS.

1. (AGM-84E) (If applicable) Indicate to aircrew to perform SLAM marriage check on all loaded stations()
2. (As applicable) Remove radome/IIR dome/nose fairing, air data probe and exit covers()

H. AGM-88 (HARM)**WARNING**

THE FOLLOWING STEPS SHOULD BE PERFORMED IN THE ARMING AREA; HOWEVER, THESE STEP MAY BE PERFORMED IN THE REARMING AREA WHEN NECESSITATED BY OPERATIONAL REQUIREMENTS.

WARNING

IF STRAY VOLTAGE IS DETECTED, DO NOT ELECTRICALLY CONNECT MISSILE UMBILICAL CABLE TO LAUNCHER. NOTIFY PROPER AUTHORITY.

1. Perform stray voltage check on each loaded station()
2. Connect umbilical(s)()
3. Verify missile umbilical yoke rod secure in launcher umbilical fitting hooks()
4. Secure access doors(s)()

**PRIOR TO LAUNCH
REARMING OR ARMING AREA
(AFTER ENGINE TURNUP) (Continued)**

I. AN/ALQ-167**WARNING**

THE AN/ALQ-167 POD OUTPUT LEVEL IS HAZARDOUS TO PERSONNEL. PERSONNEL MUST BE FAMILIAR WITH RADIATION HAZARD FOR BOTH PERSONNEL AND ORDNANCE.

WARNING

REMAIN CLEAR OF POD (15 FT. FWD/AFT, 3 FT. EITHER SIDE) WHEN POD IS OPERATING.

NOTE:

A MINIMUM OF 3 MINUTES IN THE STANDBY MODE IS REQUIRED FOR AN/ALQ-167 POD WARM UP.

1. Signal aircrew to position AN/ALQ-167 PWR switch to
STANDBY()
2. Open aft section door()
3. Verify AN/ALQ-167 pod STANDBY light on()

CAUTION

IF OPERATE LIGHT COMES ON, THE POD IS DOWN. SECURE POWER IMMEDIATELY.

4. Signal aircrew to position AN/ALQ-167 PWR switch
to OPERATE()
5. Verify AN/ALQ-167 pod STANDBY light REMAINS on()
6. AN/ALQ-167 pod FAULT light off()
7. Signal aircrew to position AN/ALQ-167 PWR to OFF()
8. Close aft section door()

J. TALD/ITALD

1. (ITALD) Remove inlet cover safety pin()
2. Remove electrical safety pin()
3. (BRU-42) Position safety stop lever(s) to UNLOCK()

PRIOR TO LAUNCH ARMING AREA

NOTE: ONLY THOSE WEAPONS LISTED REQUIRE PROCEDURES TO BE PERFORMED IN THE ARMING AREA AFTER ENGINE TURNUP.

A. ROCKET LAUNCHERS

WARNING

ROCKET LAUNCHER STRAY VOLTAGE CHECK SHOULD BE PERFORMED IN THE ARMING AREA; HOWEVER, THIS STEP MAY HAVE BEEN PERFORMED IN THE REARMING AREA NECESSITATED BY OPERATIONAL REQUIREMENTS. IF STRAY VOLTAGE HAS ALREADY BEEN PERFORMED, PERFORM ONLY STEPS 2 AND 3.

WARNING

IF STRAY VOLTAGE IS DETECTED, DO NOT ELECTRICALLY CONNECT LAUNCHER. NOTIFY PROPER AUTHORITY.

1. (If required) Perform stray voltage check on each loaded station()
2. Electrically connect launcher(s)()
3. Remove launcher safety pin(s) (Fig. 3)()

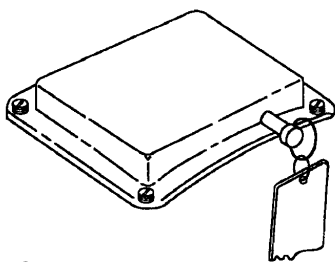
B. AIM-7 (SPARROW)

CAUTION

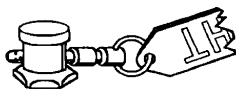
IF EXCESS PRESSURE IS REQUIRED TO PLACE "T" HANDLE TO THE ARM POSITION OR IF "T" HANDLE WILL NOT ROTATE TO ARM, RETURN TO SAFE POSITION AND NOTIFY PROPER AUTHORITY.

1. Position missile SAFE/ARM mechanism to ARM (Fig. 4)()

**PRIOR TO LAUNCH
ARMING AREA (Continued)**



SAFETY PIN
LAU-61 C/A
LAU-68 D/A
LAU-10 C/A
LAU-10 D/A



SAFETY PIN
LAU-10 C/A
LAU-10 D/A

Figure 3. Rocket Launcher Safety Pins

**PRIOR TO LAUNCH
ARMING AREA (Continued)**

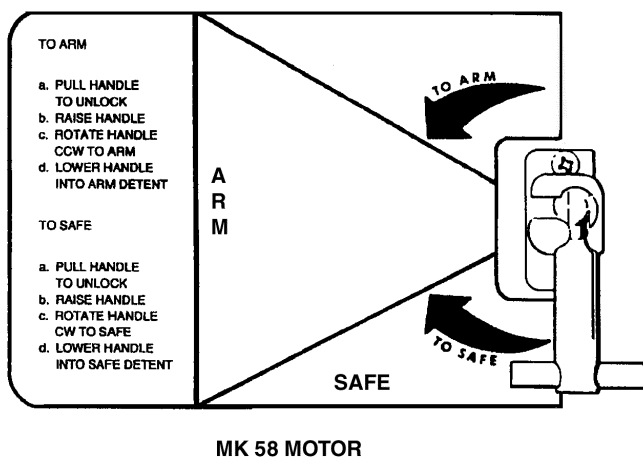


Figure 4. AIM-7 Rocket Motor SAFE/ARM Mechanism

**PRIOR TO LAUNCH
ARMING AREA (Continued)**

C. AIM-9 (SIDEWINDER)

1. Remove launcher detent wrench safety pin(s)()

D. AGM-65 (MAVERICK)

1. Rotate Standard Arming Key(s) 90 degrees counterclockwise to ARM, remove key (Fig. 5)()

E. AGM-88 (HARM)**WARNING**

STEPS 1 THROUGH 3 SHOULD BE PERFORMED IN THE ARMING AREA; HOWEVER, THESE STEP MAY HAVE BE PERFORMED IN THE REARMING AREA IF NECESSITATED BY OPERATIONAL REQUIREMENTS. IF STEPS 1 THROUGH 3 HAVE BEEN PERFORMED, PROCEED TO STEP 4.

WARNING

IF STRAY VOLTAGE IS DETECTED, DO NOT ELECTRICALLY CONNECT MISSILE UMBILICAL CABLE TO LAUNCHER. NOTIFY PROPER AUTHORITY.

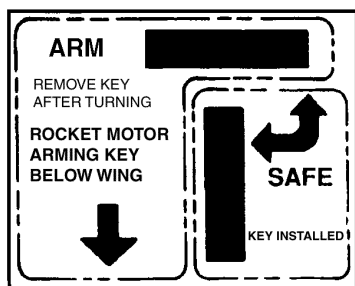
1. Perform stray voltage check on each loaded station()
2. Connect umbilical(s)()
3. Secure access doors(s)()

CAUTION

OVERTRAVEL OF THE ARMING KEY BEYOND ARMED WILL CAUSE DAMAGE TO THE SAFE/ARM DEVICE.

4. Fully depress arming key (Fig. 6)()

**PRIOR TO LAUNCH
ARMING AREA (Continued)**



ARMING KEY DECAL

Figure 5. AGM-65 Rocket Motor Arming Key

**PRIOR TO LAUNCH
ARMING AREA (Continued)**

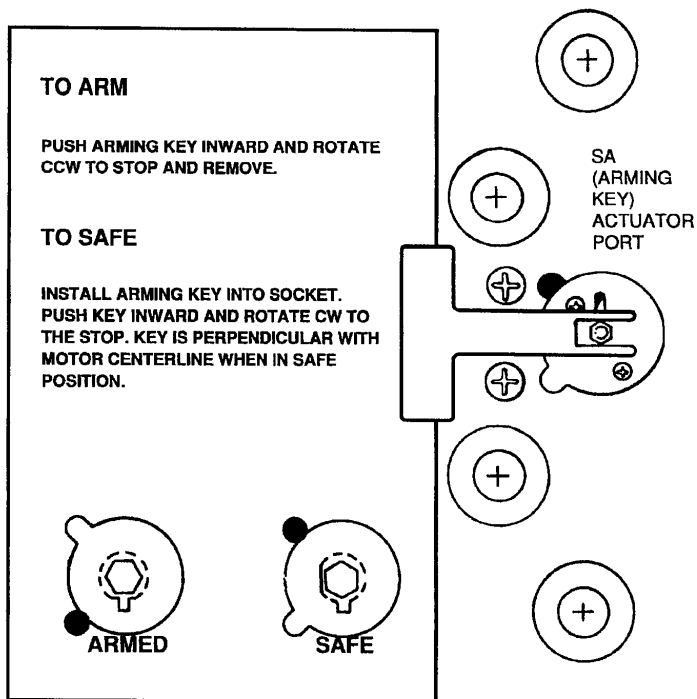


Figure 6. AGM-88 Rocket Motor SAFE/ARM Mechanism

**PRIOR TO LAUNCH
ARMING AREA (Continued)**

NOTE: WHILE ROTATING THE ARMING KEY TO ARMED, ALLOW SPRING TENSION TO SLOWLY PUSH ARMING KEY OUT.

5. Rotate arming key counterclockwise to ARMED()
6. Remove arming key()

F. GUN

1. Push gun electrical safety switch in, turn clockwise and release (flush)()

AFTER LANDING OR GROUND ABORT DEARMING AREA (BEFORE ENGINE SHUTDOWN)

NOTE: ONLY THOSE WEAPONS LISTED REQUIRE SAFING PROCEDURES TO BE PERFORMED IN THE DEARMING BEFORE ENGINE SHUTDOWN.

A. AIM-7 (SPARROW)

CAUTION

IF "T" HANDLE CANNOT BE MOVED FROM ARMED POSITION, IMMEDIATELY NOTIFY PROPER AUTHORITY AND REMAIN CLEAR OF MISSILE.

1. Position missile SAFE/ARM mechanism to SAFE (Fig. 4)()

B. AIM-9 (SIDEWINDER)

1. Install launcher detent wrench safety pin(s)()

CAUTION

MISSILE DOME PROTECTOR MUST BE INSTALLED PRIOR TO ENGINE SHUTDOWN.

NOTE: INSTALLATION OF MISSILE DOME PROTECTOR MAY BE ACCOMPLISHED IN THE DEARMING OR REARMING AREA PRIOR TO ENGINE SHUTDOWN.

2. (If applicable) Install dome protective cover()

C. AGM-65 (MAVERICK)

1. Loaded stations - SAFE()
2. Safe rocket motor(s) by inserting Standard Arming Key; press inward and rotate key 90 degrees clockwise to SAFE (Fig. 5)()

**AFTER LANDING OR GROUND ABORT
DEARMING AREA (BEFORE ENGINE SHUTDOWN) (Continued)**

D. AGM-88 (HARM)

1. Loaded stations - SAFE()

WARNING

IF MISSILE ATTEMPT-TO-LAUNCH (HANGFIRE) HAS BEEN INITIATED, MISSILE BATTERY MAY HAVE BEEN ACTIVATED. CONTROL SECTION MAY BE VERY HOT AND HAVE ELECTROLYTE LEAKAGE (DIRTY BROWN OR WHITE RESIDUE) THAT CAN CAUSE SEVERE BURNS. STAY CLEAR OF CONTROL SECTION. NOTIFY PROPER AUTHORITY.

CAUTION

OVERTRAVEL OF THE ARMING KEY BEYOND SAFE WILL CAUSE DAMAGE TO THE SAFE/ARM DEVICE.

2. Insert and fully depress arming key; slowly rotate clockwise to SAFE (Fig. 6)()

E. GUN

1. Push gun electrical safety switch in; turn counterclockwise and release (extended)()

AFTER LANDING OR GROUND ABORT DEARMING OR REARMING AREA BEFORE ENGINE SHUTDOWN

A. PRACTICE BOMBS/LASER GUIDED TRAINING ROUNDS (LGTR)

NOTE: HOT REFUELING OF PRACTICE BOMBS/LGTRS LOADED AIRCRAFT MAY BE CONDUCTED PROVIDED THE SAFING REQUIREMENTS OF STEP 1 ARE MET.

NOTE: UNLESS HOT REFUELING OF AIRCRAFT WITH PRACTICE WEAPONS/LGTR LOADED OR DOWNLOADING OF PRACTICE BOMBS WITH ENGINES OPERATING IS TO BE CONDUCTED, THERE ARE NO PROCEDURES TO BE PERFORMED IN THE DEARMING OR REARMING AREA BEFORE ENGINE SHUTDOWN.

1. Hot refueling of loaded aircraft:
 - a. Position safety person; indicate to aircrew to check switches and raise hands()

WARNING

IF ANY COMPONENT IS MISSING, LOOSE, DAMAGED, OR OTHERWISE UNSAFE, DO NOT HOT REFUEL OR DOWNLOAD WITH ENGINES OPERATING.

WARNING

(BDU-33) USE EXTREME CARE WHEN MOVING IN AND AROUND THE BDU-33. STRIKING THE NOSE OF THE BDU-33 COULD DISCHARGE THE SIGNAL CARTRIDGE.

- b. Inspect weapons()
- c. Safe racks()
- d. (MER) Install electrical safety pins()
- e. (BDU-33D/B) Install safety block; seat pin()
- f. (Mk 106) Install safety pin(s) and cotter pins()

AFTER LANDING OR GROUND ABORT DEARMING OR REARMING AREA BEFORE ENGINE SHUTDOWN (Continued)

WARNING

LGTRS WILL NOT BE UNLOADED WITH
ENGINES OPERATING.

NOTE:

IF UNLOADING WITH ENGINES OPERATING,
PROCEED TO STEP 2.

NOTE:

UNLOADING WITH ENGINES OPERATING MAY
BE PERFORMED BUT MUST BE HELD TO A
MINIMUM CONSISTENT WITH OPERATIONAL
REQUIREMENTS.

2. Preparation for unloading Practice bombs with engines operating:
 - a. Weapons SAFE()
 - b. Ground aircraft()
 - c. (MER/BRU-41) Remove cartridges; connect and tighten
breech caps()
 - d. Retract swaybraces and lock jamnuts()

WARNING

DO NOT DROP PRACTICE BOMB DURING
UNLOADING SINCE PRACTICE BOMB SIGNAL
CAN DETONATE.

3. Unloading Practice bombs with engines operating:
 - a. Raise weapon()
 - b. Rotate safety stop lever to UNLOCK()
 - c. Release rack; lower weapon()
 - d. Remove weapon from area()

B. ROCKET LAUNCHERS

1. Loaded stations - SAFE()
2. Install launcher safety pin(s) (Fig. 3)()
3. Electrically disconnect launcher(s)()

AFTER LANDING OR GROUND ABORT DEARMING OR REARMING AREA BEFORE ENGINE SHUTDOWN (Continued)

WARNING

(LAU-61/68) THERMAL/RADHAZ BARRIERS ARE REQUIRED FOR SHIPBOARD OPERATIONS. FORWARD BARRIER IS OPTIONAL WHEN USING INERT WARHEADS.

4. (If applicable) Install thermal/RADHAZ barrier(s)()

C. AIM-9 (SIDEWINDER)**CAUTION**

MISSILE DOME PROTECTOR MUST BE INSTALLED PRIOR TO ENGINE SHUTDOWN.

1. (If applicable) Install dome protective cover()

D. AIM-120 (AMRAAM)**WARNING**

IF ARM/FIRE DEVICE (ADF) INDICATES "A" ON RED BACKGROUND, MISSILE IS ARMED. NOTIFY PROPER AUTHORITY.

1. ADF indicates white "S" on green background (Fig. 7)()

E. GUN**NOTE:**

DEARMING OR REARMING AREA PROCEDURES BEFORE ENGINE SHUTDOWN MAY BE PERFORMED AFTER ENGINE SHUTDOWN.

WARNING

IF GUN IS JAMED REFER TO A1-F10AE-GJC-100 GUN JAM CLEARING CHECKLIST.

1. Open access door #6 and position manual clearing handle to clear position()
2. Cycle system until 12 rounds pass through the clearing cycle ..()
3. Pull and lock anti-jam pin()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA BEFORE ENGINE
SHUTDOWN (Continued)**

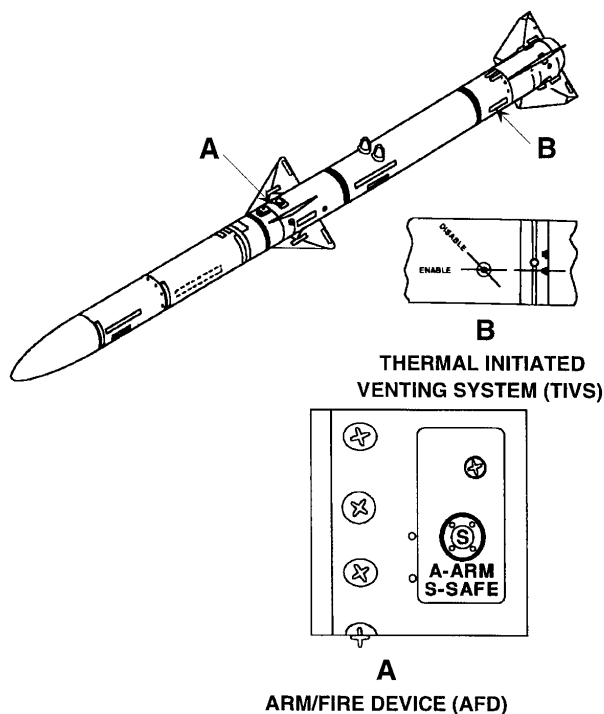


Figure 7. AIM-120 Arm/Fire Device (AFD)/Thermal Initiated

AFTER LANDING OR GROUND ABORT DEARMING OR REARMING AREA IMMEDIATELY AFTER ENGINE SHUTDOWN

A. BOMBS (RETARD/NONRETARD)

NOTE: THE FMU-139B/B AND FMU-152 SERIES ELECTRIC TAIL FUZES DO NOT REQUIRE THE USE OF AN ARMING WIRE. FUZE SAFETY IS DETERMINED BY GAG ROD NOT EXTENDED.

1. (As applicable) Fuze(s)/TDD(s) safe; arming wire(s) installed . . ()
2. Loaded stations - SAFE ()
3. Armament switches positioned (Table 1) ()
4. (If Applicable) Place WEAPON LOADED sign in cockpit ()

B. GBUs

WARNING

IF GBU-31/32/35 (JDAM) HAS RECEIVED INTENT-TO-LAUNCH (ITL) BATTERY WILL HAVE BEEN ACTIVATED; PRIOR TO 30 MINUTES ELAPSED TIME SKIN OF TAIL MAY CAUSE BURNS.

WARNING

(GBU-10, 12, 16, 24) IF THERMAL BATTERY IS INADVERTENTLY IGNITED, THE GAS GENERATOR WILL FIRE. THE GCU WILL BE HOT TO THE TOUCH AND MAY EMIT HIGH PRESSURE NON-TOXIC EXHAUST GASES. WEAPON MAY BE DOWNLOADED/MOVED TO A SAFE AREA FOR 90 MINUTES FROM THE TIME OF ACTIVATION. USE CARE AND WEAR PERSONNEL PROTECTION WHEN HANDLING.

NOTE: THE FMU-139B/B AND FMU-152 SERIES ELECTRIC TAIL FUZES DO NOT REQUIRE THE USE OF AN ARMING WIRE. FUZE SAFETY IS DETERMINED BY GAG ROD NOT EXTENDED.

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

1. Fuzes(s) safe; (as applicable) arming wires/cables installed/
connected()
2. Loaded stations - SAFE()
3. Armament switches positioned (Table 1)()
4. (As applicable) Install wing and latch assembly safety pins()
5. (As applicable) Install detector cover(s) and,
packing material(s)()
6. (If applicable) Place WEAPON LOADED sign in cockpit()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

C. CBUs

1. Fuze(s) safe; extractors installed/connected()
2. Loaded stations - SAFE()
3. Armament switches positioned (Table 1)()
4. (If applicable) Place WEAPON LOADED sign in cockpit()

D. MK 77 FIRE BOMBS**WARNING**

MK 13 INITIATOR MUST BE CONSIDERED ARMED IF ARMING VANES EXTEND THROUGH TEAR TOP OR TEAR TAB IS MISSING, NOTIFY PROPER AUTHORITY.

1. Verify MK 13 initiator - SAFE()
2. Loaded stations - SAFE()
3. Armament switches positioned (Table 1)()
4. (If applicable) Place WEAPON LOADED sign in cockpit()

E. MK 50 SERIES MINES**WARNING**

IF SAFETY CLIPS ARE INADVERTENTLY WITHDRAWN FROM THE ARMING DEVICE OR PARACHUTE CONTROL UNIT, CLEAR AREA AND NOTIFY PROPER AUTHORITY.

1. Safety clips installed in arming device and parachute control unit()
2. Loaded stations - SAFE()
3. Armament switches positioned (Table 1)()
4. (If applicable) Place WEAPON LOADED sign in cockpit()

AFTER LANDING OR GROUND ABORT DEARMING OR REARMING AREA IMMEDIATELY AFTER ENGINE SHUTDOWN (Continued)

F. MK 62/63 MINES

WARNING

IF ARMING WIRE/CABLE IS INADVERTENTLY
WITHDRAWN FROM THE TDD OR ARMING
DEVICE OR RED INDICATION IS VISIBLE IN THE
ARMING DEVICE WINDOW, CLEAR AREA AND
NOTIFY PROPER AUTHORITY.

1. Arming device(s)/TDD(s) safe; arming wire(s)/lanyard(s)
installed/connected ()
2. Loaded stations - SAFE ()
3. Armament switches positioned (Table 1) ()
4. (If applicable) Place WEAPON LOADED sign in cockpit ()

G. MK 65 MINE

1. Arming wire extractor/lanyard/double-end loop installed ()
2. Loaded stations - SAFE ()
3. Armament switches positioned (Table 1) ()
4. (If applicable) Place WEAPON LOADED sign in cockpit ()

H. PYROTECHNICS

WARNING

(LUU-2/LUU-19) A GAP BETWEEN THE TIMER
AND THE FLARE CASE INDICATES THAT THE
TIMER HAS ACTUATED.

1. (LUU-2/LUU-19) Ensure timer(s) are locked on flare case(s) . . . ()
2. (MER) Install electrical safety pin(s) ()
3. Position safety stop lever(s) to LOCKED ()
4. Loaded stations - SAFE ()
5. Armament switches positioned (Table 1) ()
6. (If applicable) Place WEAPON LOADED sign in cockpit ()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

I. PRACTICE BOMBS/LASER GUIDED TRAINING ROUND (LGTR)

1. Loaded stations - SAFE()
2. (MER) Install electrical safety pin(s)()
3. Position safety stop lever(s) to LOCKED()

WARNING

USE EXTREME CARE WHEN INSTALLING
SAFETY BLOCK AND MOVING IN AND AROUND
BDU-33. STRIKING NOSE OF BDU-33 COULD
CAUSE DISCHARGE OF SIGNAL CARTRIDGE.

4. (BDU-33) Install safety block(s)()
5. (MK 106) Install safety pin(s) and cotter pin(s)()
6. (LGTRs) Install detector cover(s) with seeker packing()
7. Armament switches positioned (Table 1)()
8. (If applicable) Place WEAPON LOADED sign in cockpit()
9. (LGTR) Remove detector cover(s) w/seeker packing()

J. FUEL TANKS/CNU-188

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()

K. ECM ALE-39/47**WARNING**

IF DECOY ROUND IS PARTIALLY EJECTED
REMAIN CLEAR, NOTIFY PROPER AUTHORITY.

1. Decoy rounds secure()
2. Loaded stations - SAFE()
3. Armament switches positioned (Table 1)()
4. (If applicable) Place WEAPON LOADED sign in cockpit()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

5. (161353 through 163782) Close circuit breakers:
 - a. AN/ALE-39 CONT()
 - b. AN/ALE-39 PWR()
6. (As applicable) Push ICM safety switch in, turn clockwise (SAFE) and release (switch flush)()
7. (163985 and up) Push ICM electrical safety switch in, turn clockwise and release (switch flush)()
8. (161353 through 163175 and 163427 through 164980)
ALE-39 RESET switch OFF()

L. ROCKET LAUNCHERS

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()
4. Inspect fired launchers for unexpended rockets()

M. AIM-7 (SPARROW)

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()
4. (Launchers) Verify indicators are in GREEN (SAFE) position ... ()

N. AIM-9 (SIDEWINDER)/INSTRUMENTATION PACKAGE

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()
4. (Instrumentation Package) Install protective covers()
5. (AIM-9) Exhaust ports clean; NO soot evident()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

CAUTION

(AIM-9) IF THE "T" HANDLE FOR THE MK 36 MOD 8/9 OR MK 57 MOD 2 MOTOR SAFE/ARM MECHANISM IS NOT FULLY DEPRESSED, THE LOCKING LEVER WILL NOT BE RELEASED FROM THE ARM POSITION.

CAUTION

(AIM-9) DO NOT ROTATE MK 36 MOD 8/9 OR MK 57 MOD 2 "T" HANDLE BEYOND THE SAFE POSITION.

NOTE:

(AIM-9) TO SAFE MK 36 MOD 8/9 OR MK 57 MOD 2 MOTOR, DEPRESS "T" HANDLE AND ROTATE 90 DEGREES CLOCKWISE.

6. (AIM-9 with MK 36 MOD 8/9 or MK 57 MOD 2 motor) (Fig. 1)
Install "T" handle; rotate to SAFE()

NOTE:

(AIM-9) TO SAFE MK 36 MOD 11/12 OR MK 57 MOD 3 MOTOR, PULL OUT SELECTOR HANDLE AND ROTATE 90 DEGREES CLOCKWISE.

7. (AIM-9 with MK 36 MOD 10/11 or MK 57 MOD 3 motor) (Fig. 1)
Rotate SAFE/ARM selector handle to SAFE()

CAUTION

DO NOT ROTATE ARM/FIRE DEVICE (AFD) HANDLE BEYOND THE SAFE POSITION OR DAMAGE TO THE AFD HANDLE MAY RESULT.

8. (AIM-9X) Rotate AFD handle to SAFE position (Fig. 1)()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

O. AIM-120 (AMRAAM)

WARNING

A THERMAL INITIATED EXPLOSIVE MATERIAL IS BUILT INTO THE HARNESS COVER. DO NOT EXPOSE TO HEAT: AUTO IGNITION, 350 DEGREES FAHRENHEIT FOR 8 HOURS OR 550 DEGREES FOR 30 SECONDS.

1. Thermal Initiated Venting System (TIVS) - ENABLE()
2. Loaded stations - SAFE()
3. (LAU-116A/A) Verify indicators GREEN/SAFE position()
4. (LAU-127A/A) Verify IFL is in LOCKED position()
5. Armament switches positioned (Table 1)()
6. (If applicable) Place WEAPON LOADED sign in cockpit()

P. AGM-65 (MAVERICK)

WARNING

IF MISSILE LAUNCH HAS BEEN ATTEMPTED, MISSILE BATTERY MAY HAVE BEEN ACTIVATED; NOTIFY PROPER AUTHORITY. REMAIN CLEAR OF MISSILE/MISSILE BATTERY ACCESS DOOR/AIRCRAFT FOR ONE HOUR AFTER INTENT-TO-LAUNCH IF MISSILE BATTERY HAS BEEN ACTIVATED.

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()
4. Disconnect missile rocket motor igniter cable connector from missile and stow (Fig. 2)()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

Q. AGM-84 (HARPOON/SLAM/SLAM ER)

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()

WARNING

(AGM-84D/E) DO NOT DISCONNECT UMBILICAL FROM MISSILE IF MISSILE HAS RECEIVED INTENT-TO-LAUNCH (ITL) SIGNAL. REMAIN CLEAR OF AFT END OF MISSILE.

WARNING

(AGM-84D/E) POWER MUST BE REMOVED FROM AIRCRAFT BEFORE ADAPTER CABLE IS DISCONNECTED.

NOTE:

ITL INITIATION REQUIRES MISSILE TO BE PLACED IN SAFE AREA FOR 2.5 HOURS FROM TIME ITL INITIATED. MISSILE MAY REMAIN ON AIRCRAFT OR BE DOWNLOADED.

4. (AGM-84D/84E ITL initiated) Disconnect umbilical from aircraft and tape to missile()
5. (AGM-84H/K ITL initiated) Disconnect umbilical from aircraft and missile()
6. Install protective covers on umbilical and, if applicable, missile connector()

WARNING

(AGM-84H/K) THE AIR DATA SYSTEM PROBE MAY BE HOT, DO NOT TOUCH OR INSTALL PROBE COVER UNTIL PROBE COOLS.

7. Install radome/IIR dome/nose fairing, air data probe and exit covers()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

R. AGM-88 (HARM)

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()
4. Disconnect missile umbilical cable()
5. Install radome cover()

S. AGM-154 (JSOW)

NOTE: IF ANY COMPONENT IS MISSING, LOOSE, OR
DAMAGED, NOTIFY PROPER AUTHORITY.

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON SIGN in cockpit()
4. (If applicable) Place WEAPON LOADED sign in cockpit()

WARNING

IF WEAPON HAS RECEIVED AN INTENT-TO
LAUNCH (ITL) SIGNAL, WEAPON MUST BE
PLACED IN A SAFE AREA FOR TWO HOURS,
FROM ITL, BEFORE PROCEEDING WITH
DOWNLOADING. DISCONNECT WEAPON
ADAPTER CABLE FROM AIRCRAFT AND TAPE
TO WEAPON.

5. (ITL initiated) Disconnect adapter cable from pylon only and
tape to weapon.()

T. GUN

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()

**AFTER LANDING OR GROUND ABORT
DEARMING OR REARMING AREA IMMEDIATELY AFTER
ENGINE SHUTDOWN (Continued)**

U. DATA POD

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()
4. (ARQ-56) Install ram air inlet cover()

V. AN/ALQ-167/AN/AST-6

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()
4. Install antenna covers()

W. TALD/ITALD**WARNING**

DO NOT REMOVE LAUNCH ADAPTER FROM WEAPON.

1. Loaded stations - SAFE()
2. Install electrical safety pin()
3. Ensure wing safety pin installed()
4. ITALD:
 - a. Install inlet cover safety pin()
 - b. Verify separation switch pins installed()
 - c. Install exhaust cover()
5. Armament switches positioned (Table 1)()
6. (If applicable) Place WEAPON LOADED sign in cockpit()

X. AN/ALE-43

1. Loaded stations - SAFE()
2. Armament switches positioned (Table 1)()
3. (If applicable) Place WEAPON LOADED sign in cockpit()

TURNAROUND

A. BOMBS, GBUs, CBU's, FIRE BOMBS, 50/60 Series MINES, PYROTECHNICS, PRACTICE BOMBS/LGTR, FUEL TANKS/ CNU-188, ECM, ROCKET LAUNCHERS, AIM-7, AIM-9, AIM-120, AGM-65, AGM-84, AGM-88, AGM-154, GUN, DATA POD, AN/ALQ-167, TALD/ITALD, AN/ALE-43

1. After Landing or Ground Abort procedures completed()

NOTE: ALL DISPENSER MODULES MUST BE DOWNLOADED IF ECM SYSTEM IS TO BE REPLENISHED.

NOTE: UNEXPENDED CARTRIDGES NEED NOT BE REMOVED BUT MUST BE ELECTRICALLY DISCONNECTED.

2. (For stations to be loaded) Perform the following:
- a. (ALE-39/47) Download empty/partially expended modules . . ()
 - b. Aircraft Preparation/Inspection through Weapon/Store Loading()
 - c. Perform Postloading Inspection()
 - d. Perform Prior to Launch procedures()
3. For aircraft with unexpended weapons perform the following:
- a. After Landing or Ground Abort procedures completed()
 - b. **(GBU-31/32/35)** Shake strakes to verify they are tight, if loose reject weapon()
 - c. **(ALE-39)** Retorque dispenser to 55 ± 5 inch-pounds()
 - d. **(ALE-47)** Retorque dispenser to 70 ± 5 inch-pounds()
 - e. **(AIM-9/Instrumentation Package)** Perform the following:

CAUTION

(AIM-9) MINIMAL AMOUNT OF DELAMINATION/ CHIPPING OF WING SURFACE IS ACCEPTABLE, PROVIDED THE DELAMINATION/CHIPPING IS NO MORE THAN 25 PERCENT OF THE WING SURFACE AREA.

TURNAROUND (Continued)

- (1) Wings not cracked; delamination/chipping within acceptable limits()

NOTE:

IF WEAPON RETURNS WITH ROLLERONS UNCAGED, MOVE ROLLERON ASSEMBLY FROM SIDE-TO-SIDE THROUGH ENTIRE RANGE OF TRAVEL. IF DAMPER HAS LITTLE OR NO RESISTANCE TO MOTION OR IF DAMPER DOES NOT HAVE UNIFORM AND SMOOTH RESISTANCE TO MOTION, REJECT WEAPON.

- (2) (If applicable) Check rolleron assembly for proper movement; recage rolleron assembly()
- (3) (CATM-9/Instrumentation Package) Retorque snubber clamp assemblies after each flight to 35 inch-pounds ... ()
- f. Perform Postloading Inspection()
- g. Perform Prior to Launch procedures()